

Instructions for Form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Applicant Number	10/663,577
Filing Date	September 16, 2003
First Named Inventor	Robert G. Dennis
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	UOM 0294 PUS

Sheet 1 of 4

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
TAG		L.W. Stevenson et al., "The Impending Crisis Awaiting Cardiac Transplantation", Circulation, Vol. 89, No. 1, January 1994, pp. 450-457	
		R.E. Akins et al., "Cardiac Organogenesis in vitro: Reestablishment of Three-Dimensional Tissue Architecture by Dissociated Neonatal Rat Ventricular Cells", Tissue Engineering, Vol. 5, No. 2, 1999, pp. 103-118	
		M. Muthuchamy et al., "Developmental Analysis of Tropomyosin Gene Expression in Embryonic Stem Cells and Mouse Embryos", Molecular and Cellular Biology, June 1993, Vol. 13, No. 6, pp. 3311-3323	
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		P. Anderson and A. Oakeley, "Immunological Identification of Five Troponin T Isoforms Reveals an Elaborate Maturational Troponin T Profile in Rabbit Myocardium", Circulation Research, Vol. 65, No. 4, October 1989, pp. 1087-1093	
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		W. Zimmermann et al., "Cardiac Grafting of Engineered Heart Tissue in Syngenic Rats", Circulation Research, September 24, 2002, pp. I-151 - I-157,	
TMG		W. Zimmermann et al., "Tissue Engineering of a Differentiated Cardiac Muscle Construct", Circulation Research, February 8, 2002, pp. 223-230	

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PTO/SB/08B (10-96) [reproduced]

Approved for use through 10/31/99. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TMG		T. Shimizu et al., "Two-Dimensional Manipulation of Cardiac Myocyte Sheets Utilizing Temperature-Responsive Culture Dishes Augments the Pulsatile Amplitude", Tissue Engineering, Vol. 7, No. 2, 2001, pp. 141-151			
		T. Shimizu et al., "Electrically communicating three-dimensional cardiac tissue mimic fabricated by layered cultured cardiomyocyte sheets", Journal of Biomedical Materials Research 60, pp. 110-117, 2002			
		T. Sakai et al., "The Fate Of A Tissue-Engineered Cardiac Graft In The Right Ventricular Outflow Tract Of The Rat", The Journal of Thoracic and Cardiovascular Surgery, Vol. 121, No. 5, May 2001, pp. 932-942			
		M. Papadaki et al., "Tissue Engineering Of Functional Cardiac Muscle: Molecular, Structural, and Electrophysiological Studies", Am. J. Physiol Heart Circ. Physiol 280, 2001, pp. H168-H178			
		T. McDevitt et al., "In vitro generation of differentiated cardiac myofibers on micropatterned laminin surfaces", Journal of Biomedical Materials Research 60, 2002, pp. 472-479			
		W. Liu et al., "Developmental changes of Ca ²⁺ handling in mouse ventricular cells from early embryo to adulthood", Life Sciences 71, 2002, pp. 1279-1292			
		J. Leor et al., "Bioengineered Cardiac Grafts, A New Approach To Repair The Infarcted Myocardium?", Circulation, November 7, 2000, pp. III-56 - III-61			
✓		P. Kosnik et al., "Functional Development of Engineered Skeletal Muscle From Adult And Neonatal Rats", Tissue Engineering, Vol. 7, November 5, 2001, pp. 573-584			
TMG		T. Kofidis et al., "In vitro engineering of heart muscle: Artificial Myocardial tissue", The Journal of Thoracic and Cardiovascular Surgery, Vol. 124, No. 1, pp. 63-69			

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TMG		T. Kofidis et al., "A novel bioartificial myocardial tissue and its prospective use in cardiac surgery", European Journal of Cardio-thoracic Surgery, 22, 2002, pp. 238-243	
		A. Kadner et al., "Human Umbilical Cord Cells: A New Cell Source for Cardiovascular Tissue Engineering", Annals of Thoracic Surgery 74, 2002, pp. S1422-S1428	
		R. Dennis and P. Kosnik, "Excitability and Isometric Contractile Properties of Mammalian Skeletal Muscle Constructs Engineered In Vitro", In Vitro Cell. Dev. Biol., May 2000, pp. 327-335	
		R. Dennis et al., "Excitability And Contractility Of Skeletal Muscle Engineered From Primary Cultures And Cell Lines", Am. J. Physiol Cell Physiol, 2001; C288-C295	
		R. Carrier et al., "Cardiac Tissue Engineering: Cell Seeding, Cultivation Parameters, and Tissue Construct Characterization", Biotechnology and Bioengineering, Vol. 64, No. 5, September 5, 1999, pp. 580-589	
		R. Akins, "Can Tissue Engineering Mend Broken Hearts?", Circulation Research, February 8, 2002, pp. 120-122	
		P. Akhyari et al., "Mechanical Stretch Regimen Enhances the Formation of Bioengineered Autologous Cardiac Muscle Grafts", Circulation, September 24, 2002, pp. I-137 - I-142	
		VANDENBURGH et al., Skeletal Muscle Growth is Stimulated by Intermittent Stretch-Relaxation in Tissue Culture, American Psych. Society, 1989, pp. C674-682	
		VANDENBURGH, A Computerized Mechanical Cell Stimulator for Tissue Culture Effects on Skeletal Muscle Organogenesis, In Vitro Cellular & Developmental Biology, Vol. 24, No. 7, July 1988, pp. 609-619	
TMG		VANDENBURGH et al., Longitudinal Growth of Skeletal Myotubes in Vitro in a New Horizontal Mechanical Cell Stimulator, In Vitro Cell Dev. Bio., Vol. 25, No. 7, July 1989, pp. 607-616	

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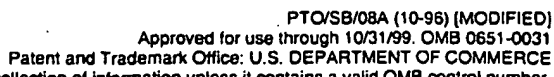
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Substitute for Form 1449A/PTO

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